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16TH FLOOR  
620 NEWPORT CENTER DRIVE  
NEWPORT BEACH, CA 92660



\*100617199A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 12/24/1997

REEL/FRAME: 8908/0073

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

HAMPAPUR, ARUN

DOC DATE: 09/09/1997

## ASSIGNOR:

GORKANI, MOJGAN MONIKA

DOC DATE: 09/18/1997

## ASSIGNOR:

SHU, CHIAO-FE

DOC DATE: 09/18/1997

## ASSIGNOR:

GUPTA, AMARNATH

DOC DATE: 09/15/1997

## ASSIGNEE:

VIRAGE, INCORPORATED  
177 BOVET ROAD  
SUITE 520  
SAN MATEO, CALIFORNIA 94402

*[Handwritten Signature]*  
NO DATES DOCUMENTED  
ATTORNEY RESPONSIBILITY  
INITIALS

SERIAL NUMBER: 08870836  
PATENT NUMBER:

FILING DATE: 06/06/1997  
ISSUE DATE:

8908/0073 PAGE 2

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

01-29-1998

12-24-97

TO THE ASSISTANT COMMISSIONER



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DEC 24 1997

original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- a) Arun Hampapur
- b) Mojgan Monika Gorkani
- c) Chiao-Fu Shu
- d) Amarnath Gupta

Additional name(s) of conveying party(ies) attached?  
 Yes       No

2. Name and address of receiving party(ies):

Name: Virage, Incorporated  
Internal Address:  
Street Address: 177 Bovet Road, Suite 520  
City: San Mateo State: CA ZIP: 94402

Additional name(s) of receiving party(ies) attached?  
 Yes       No

3. Nature of conveyance:

Assignment

4. Application number(s) or Patent number(s):

Application(s) filed herewith Execution Date(s):

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

- a) September 9, 1997
- b) September 18, 1997
- c) September 18, 1997
- d) September 15, 1997

(X) Patent Application No.: 08/870,836  
Filing Date: June 6, 1997

Patent No.:  
Issue Date:

Additional numbers attached?       Yes       No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ray Salenicks  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995  
Internal Address: Sixteenth Floor  
Street Address: 620 Newport Center Drive  
City: Newport Beach State: CA ZIP: 92660  
Attorney's Docket No.: VIRAGE.007A

7. Total fee (37 CFR 3.41): \$40

Enclosed

8. Deposit account number: 11-I410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Ray Salenicks  
Name of Person Signing

Ray Salenicks  
Signature

12/18/97

Date

37,924  
Registration No.

Total number of pages including cover sheet, attachments and document: 4

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Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents

Box Assignments

Washington, D.C. 20231

01/27/1998 JSHABAZZ 00000127 08870836  
01 FC:581 40.00 OP

RJS-3519-dt  
12/18/97

KNOBBE, MARTENS, OLSON & BEAR, LLP  
620 NEWPORT CENTER DR 16TH FLOOR NEWPORT BEACH, CA 92660  
(714) 760-0404 FAX (714) 760-9502

### ASSIGNMENT

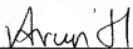
WHEREAS, We, Arun Hampapur, an Indian citizen, residing at 10 North Broadway, Apartment 5K, White Plains, New York 10601; Mojgan Monika Gorkani, a United States citizen, residing at 60 Parkridge Drive, #1, San Francisco, California 94131; Chiao-Fe Shu a Taiwanese citizen, residing at 302 - 37th Avenue, San Mateo, California 94403; and Amarnath Gupta an Indian citizen, residing at 1254 Woodside Road, Redwood City, California 94061, have invented certain new and useful improvements in a KEY FRAME SELECTION an application for Letters Patent in the United States, June 5, 1997;

AND WHEREAS, Virage, Incorporated (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 177 Bovet Road, Suite 520, San Mateo CA, 94402, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) each to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9 day of September 1997.

  
Arun Hampapur

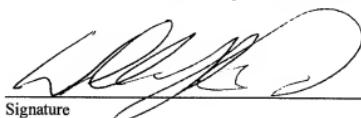
STATE OF New York  
COUNTY OF Westchester ss.

On 9 Sept, 1997 before me, WILLIAM J. STRoud personally appeared Arun Hampapur personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

WILLIAM J. STRoud  
Notary Public, State of NEW YORK  
No. 60-4652630  
Qualified in Westchester County  
Filed in Rockland County  
Date: Filed in Rockland County  
Term: Expires March 30, 1998

  
Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17 day of September, 1997.

  
Mojgan Monika Gorkani

STATE OF CALIFORNIA  
COUNTY OF SAN MATEO

ss.

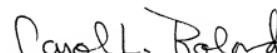
On Sept. 18, 1997, before me, CAROL ROLAND personally appeared Mojgan Monika Gorkani personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17 day of September, 1997.

  
Chiao-Fe Shu

STATE OF CALIFORNIA  
COUNTY OF SAN MATEO } ss.

On Sept 18, 1997, before me, CAROL ROLAND personally appeared Chiao-Fe Shu personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in authorized capacity(ies), and that by signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15<sup>th</sup> day of September, 1997.

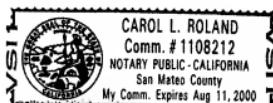
  
Amarnath/Gupta

STATE OF CALIFORNIA }  
COUNTY OF San Mateo } ss.

On SEPT. 15, 1997, before me, CAROL ROLAND, personally appeared Amarnath Gupta personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that executed the same in authorized capacity(ies), and that by signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



JMC-7330-ad3  
082897

Carol L. Roland  
Signature